PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO	Complete if Known		
	Application Number	10/825,688	
INFORMATION DISCLOSURE	Filing Date	April 16, 2004	
STATEMENT BY APPLICANT	First Named Inventor	Hartmut VODERMAIER	
(Use as many sheets as necessary)	Art Unit	1642 1655	
, ,	Examiner Name	To Be Assigned Amanda Wood	
Sheet 1 of 4	Attorney Docket Number	0652.2610001/EKS/VSR	

		Non Patent Literatu						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LET the item (book, magazine, journal, serial, sy number(s), publisher, city	mposium, catalog, et	tc.), date, page(s), volume issue	T ²			
APW	NPL1	Au, S. W., et al., "Implications for the Ubiquitination Reaction of the Anaphase-promoting Complex from the Crystal Structure of the Doc1/Apc10 Subunit," J. Mol. Biol. 316:955-968, Elsevier Science Ltd. (March 2002)						
APW	NPL2	Blatch, G. L. and Lassle, M., "The tett mediating protein-protein interactions sons, Inc. (1999)						
APW	.NPL3	Carroll, C. W. and Morgan, D. O., "The the anaphase-promoting complex," Not Group (November 2002)						
APW	NPL4	Gatto, G. J., Jr., et. al., "Peroxisomal t domains of human PEX5," Nat. Struct (2000)						
APW	NPL5	Gershkovich, A.A. and Kholodovych, V.V, "Fluorogenic substrates for proteases based on intramolecular fluorescence energy transfer (IFETS)," <i>J. Biochem. Biophys. Meth.</i> 33:135-162, Elsevier Science B.V. (1996)						
APW	NPL6	Gieffers, C., et al., "Three-Dimensional Structure of the Anaphase-Promoting Complex," Mol. Cell. 7:907-913, Cell Press (2001)						
APW	NPL7	promoting complex in postmitotic neu	Gieffers, C., et al., "Expression of the CDH1-associated form of the anaphase-promoting complex in postmitotic neurons," Proc. Natl. Acad. Sci. USA 96:11317-11322, The National Academy of Sciences (1999)					
APW	NPL8	Gmachl, M., et al., "The RING-H2 finger protein APC11 and the E2 enzyme UBC4 are sufficient to ubiquitinate substrates of the anaphase-promoting complex," Proc. Natl. Acad. Sci. USA 97:8973-8978, The National Academy of Sciences (2000)						
APW	NPL9	Grossberger, R., et al., "Characterization of the DOC1/APC10 Subunit of the Yeast and the Human Anaphase-promoting Complex," J. Biol. Chem. 274:14500-14507, The American Society for Biochemistry and Molecular Biology, Inc. (1999)						
APW	NPL10	Harper, J. W., et al., "The anaphase-promoting complex: it's not just for mitosis						
Examiner		/Amanda P Wood/	Date Considered	9/2006				

Considered Signature EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known		
				Application Number	10/825,688	
INFORMATION DISCLOSURE		Filing Date	April 16, 2004			
	STATEMENT BY APPLICANT (Use as many sheets as necessary)		First Named Inventor	Hartmut VODERMAIER		
			Art Unit	1642 1655		
, , ,		Examiner Name	To Be Assigned Amanda Wood			
Sheet	2	of	4	Attorney Docket Number	0652.2610001/EKS/VSR	

		NON PATENT LITERATURE DOCUMENTS	-		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T²		
APW	NPL11	Hatfield P.M., et al., "Cloning of Ubiquitin Activating Enzyme from Wheat and Expression of a Functional Protein in Escherichia coli," J. Biol. Chem. 265:15813-15817, The American Society for Biochemistry and Molecular Biology, Inc. (1990)			
APW	NPL12	Kieber-Emmons, T., et al., "Therapeutic peptides and peptidomimetics," Curr. Opin. Biotechnol. 8:435-441, Current Biology Ltd. (1997)			
APW	NPL13	Kominami, K., et al., "Apc10 and Ste9/Srw1, two regulators of the APC-cyclosome, as well as the CDK inhibitor Rum1 are required for G ₁ cell-cycle arrest in fission yeast," EMBO J. 17:5388-53 99, Oxford University Press (1998)			
APW	NPL14	Kramer, E. R., et al., "Activation of the human anaphase-promoting complex by proteins of the CDC20/Fizzy family," Curr. Biol. 8:1207-1210, Current Biology Ltd. (1998)			
APW	NPL15	Kramer, E. R., et al., "Mitotic Regulation of the APC Activator Proteins CDC20 and CDH1," Mol. Biol. Cell. 11:1555-1569, The American Society for Cell Biology (2000)			
APW	NPL16	Lamb, J. R., et al, "Cdc16p, Cdc23p and Cdc27p form a complex essential for mitosis," EMBO J. 13:4321-4328, Oxford University Press (1994)			
APW	NPL17	Leverson, J. D., et al., "The APC11 RING-H2 Finger Mediates E2-Dependent Ubiquitination," Mol. Biol. Cell. 11:2315-2325, The American Society for Cell Biology (2000)	1		
APW	NPL8	Matayoshi, E.D., et al., "Novel Fluorogenic Substrates for Assaying Retroviral Proteases by Resonance Energy Transfer," Science 247:954-958, American Association for the Advancement of Science (1990)			
APW	NPL19	Murray, A.W., "Cell Cycle Extracts," in <i>Methods in Cellular Biology</i> , Kay, B.K. and Peng, H.B., eds., Academic Press, Inc., San Diego, CA, pp. 581-605 (1991)			
APW	NPL20	Ohta, T., et al., "ROC1, a Homolog of APC11, Represents a Family of Cullin Partners with an Associated Ubiquitin Ligase Activity," Mol. Cell. 3:535-541, Cell Press (1999)			

Ī	Examiner	•	Date	9/2006
1	Signature	/Amanda P Wood/	Considered] 9/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation in not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (07-05)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Coi	mplete if Known	
•				Application Number	10/825,688	
INFORMATION DISCLOSURE		Filing Date	April 16, 2004			
			STATEMENT BY APPLICANT		First Named Inventor	Hartmut VODERMAIER
	(Use as man)			Art Unit	1 642 1655	
, ,		Examiner Name	To Bo Assigned Amanda Woo			
Sheet	. 3	of	4	Attorney Docket Number 0652.2610001/EKS/VSR		

		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T ²		
APW	NPL21	Passmore, L. A., et al., "Doc1 mediates the activity of the anaphase-promoting complex by contributing to substrate recognition," EMBO J. 22:786-796, Oxford University Press (February 2003)			
APW	NPL22	Peters, JM., "The Anaphase-Promoting Complex: Proteolysis in Mitosis and Beyond," <i>Mol. Cell.</i> 9:931-943, Cell Press (May 2002)			
APW	NPL23	Pickart, C. M., "Mechanisms Underlying Ubiquitination," Annu. Rev. Biochem. 70:503-533, Annual Reviews (2001)			
APW	NPL24	Ripka A.S. and Rich D.H., "Peptidomimetric design," Curr. Opin. Chem. Biol. 2:441-452, Current Biology Publications (1998)			
APW	NPL25	Schwab, M., et al., "Yeast Hct1 recognizes the mitotic cyclin Clb2 and other substrates of the ubiquitin ligase APC," EMBO J. 20:5165-5175, Oxford University Press (2001)			
APW	NPL26	Tang, Z., et al., "APC2 Cullin Protein and APC11 RING Protein Comprise the Minimal Ubiquitin Ligase Module of the Anaphase-promoting Complex," Mol. Biol. Cell. 12:3839-3851, The American Society for Cell Biology (2001)			
APW	NPL27	Vodermaier, H. C., "Cell cycle: Waiters serving the Destruction machinery," Curr. Biol. 11:R834-R837, Elsevier Science Ltd. (2001)			
APW	NPL28	Wendt, K. S., et al., "Crystal structure of the APC10/DOC1 subunit of the human anaphase-promoting complex," Nat. Struct. Biol. 8:784-788, Nature America, Inc. (2001)			
APW	NPL29	Yu, H., et al., "Identification of a Cullin Homology Region in a Subunit of the Anaphase-Promoting Complex," Science 279:1219-1222, American Association for the Advancement of Science (1998)			
APW	NPL30	Zachariae, W., et al., "Control of Cyclin Ubiquitination by CDK-Regulated Binding of Hct1 to the Anaphase Promoting Complex," Science 282:1721-1724, American Association for the Advancement of Science (1998)			

			,
Examiner		Date	9/2006
Signature	/Amanda P Wood/	Considered	3/2000
Signature	/ Millatida P WOOd/	Coibidered	

*EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of Information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (07-05)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it contains a valid OMB control number.

Substitute for	form 1449/P	го		Complete if Known		
				Application Number	10/825,688	
INFORMATION DISCLOSURE		Filing Date	April 16, 2004			
	STATEMENT BY APPLICANT		First Named Inventor	Hartmut VODERMAIER		
	(Use as man)			Art Unit	1642 1655	
		Examiner Name	To Be Assigned Amanda Wood			
Sheet	4	of	4	Attorney Docket Number	0652.2610001/EKS/VSR	

		NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pagnumber(s), publisher, city and/or country where published	appropriate), title of e(s), volume issue T ²			
APW	NPL31	Zachariae, W., et al., "Mass Spectrometric Analysis of the Anaphase-Promoting Complex from Yeast: Identification of a Subunit Related to Cullins," Science 279:1216-1219, American Association for the Advancement of Science (1998)				
APW	NPL32	Zheng, N., et al., "Structure of the Cul1-Rbx1-Skp1-F box ^{Skp2} SC ligase complex," <i>Nature 416</i> :703-709, Nature Publishing Group (
APW	NPL33	NCBI Entrez, GenBank Report, Accession No. NP_001247, Zhou Entry Date 1999, Last Updated October 2005	ı, Y., et al.,			
APW	NPL34	NCBI Entrez, GenBank Report, Accession No. NP_057322, Yu, Date 2000, Last Updated September 2005	H., et al., Entry			
APW	NPL35	NCBI Entrez, GenBank Report, Accession No. U39317, Jensen, J.P., et al., Entry Date 1996, Last Updated 1996				
APW	·NPL36	NCBI Entrez, GenBank Report, Accession No. M55604, Hatfield, P.M., et al., Entry Date 1993, Last Updated 1994				
<u> </u>						
456331_	1.DOC					
Examiner Signature	7	/Amanda P Wood/ Date Considered 9/2	2006			

Signature EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.